ABSTRACT OF THE DISCLOSURE

A system and method for capturing contours of a three-
dimensional subject, and/or acquiring data correlated with
three-dimensional geometric features or location of the
subject, involves capture of a pattern or signature emitted
or reflected by the subject under natural illumination,
illumination by one or more projected grids, and/or
patternless projected illumination, and in which the grids,
patterns, or signatures are optically separated from a
composite image of the subject using one or more receivers,
each including one or more beam splitters, for direct
viewing or further processing.